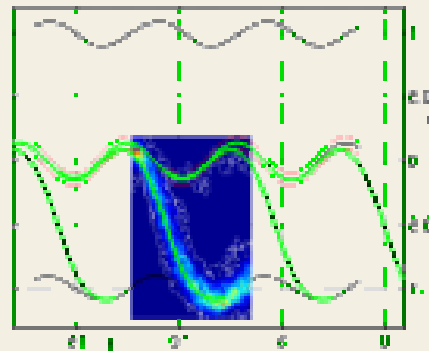
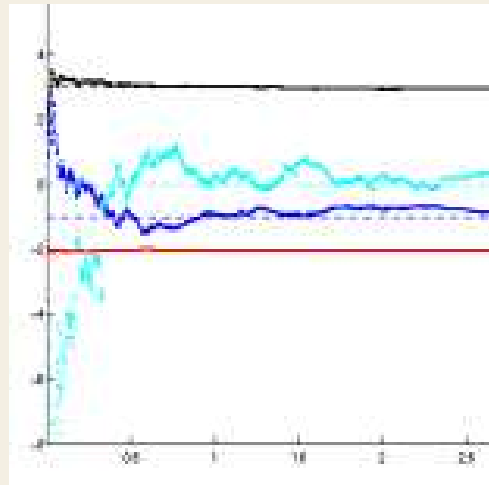


### Technical Problem Statement:



- Mine from the data base those trajectories that reach the catastrophic state.

- From the return paths from the catastrophic state, infer the dynamical model.

- By monitoring the current evolution of the system we can determine whether we are travelling along a high probability tube to a catastrophic event.

- Build the multidimensional prehistory distributin for a set of parameters for the evolution paths which end at the catastrophic event.

- By analysing the distribution we hope to discover previously unknown statistical dependencies that lead up to catastrophic events.

